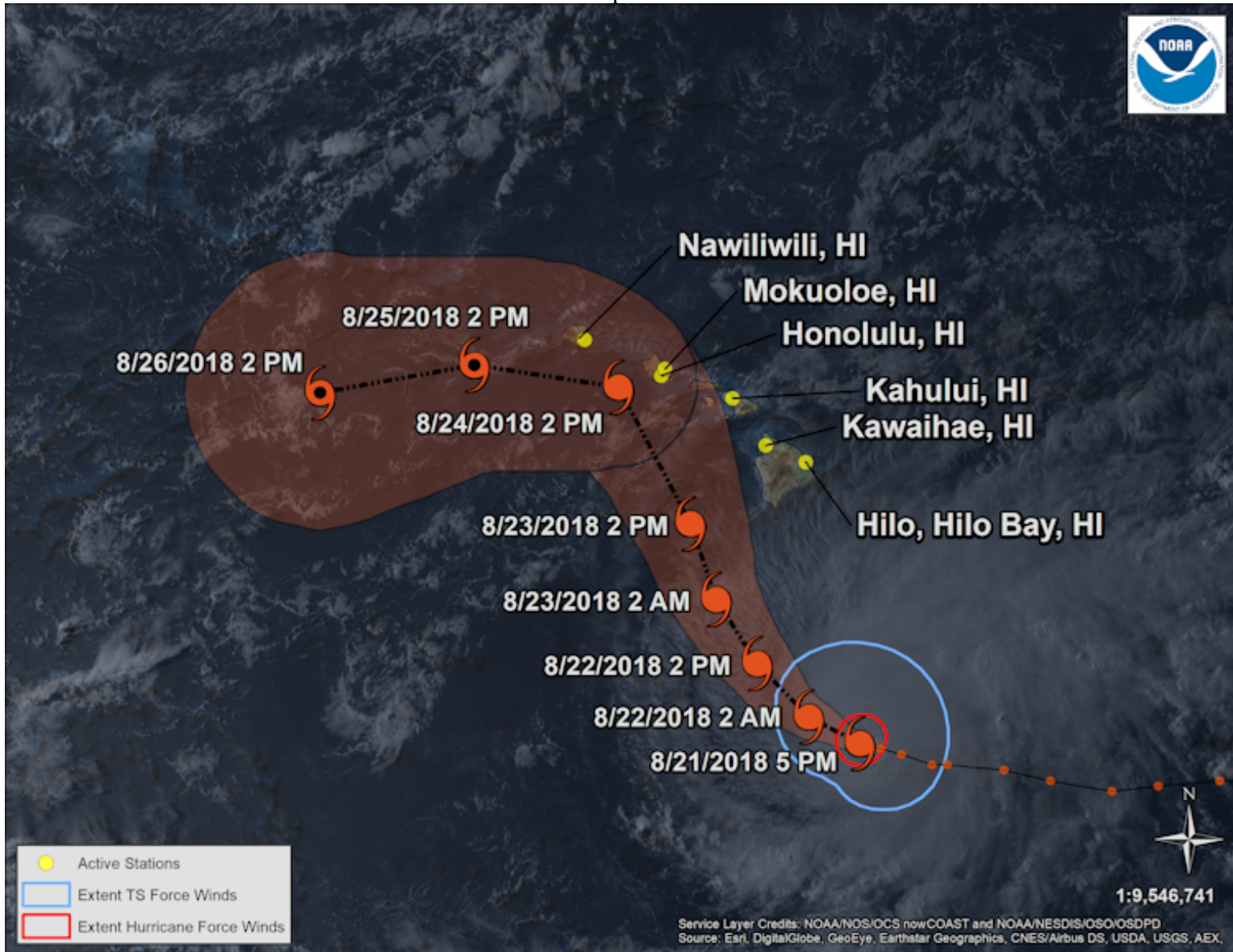




Hurricane Lane QuickLook
Posted: 18:00 HST 08/21/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 8/21/2018 18:00 HST water levels across the Hawaiian Islands are slightly elevated and generally range between 0.3 and 0.6 feet above normal tide levels. Winds of 10-20 knots are being observed at Kahului, Mokuoloe and Nawiliwili. Barometric pressure is generally steady at this time across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: PFF

Select Central Pacific Hurricane Center Advisory Information:

Hurricane Lane Advisory Number 29

NWS Central Pacific Hurricane Center Honolulu HI EP142018

500 PM HST Tue Aug 21 2018

...POWERFUL HURRICANE LANE CONTINUES MOVING CLOSER TO THE HAWAIIAN ISLANDS...

...HURRICANE WARNING ISSUED FOR HAWAII COUNTY...

SUMMARY OF 500 PM HST...0300 UTC...INFORMATION

LOCATION...14.5N 154.0W

ABOUT 375 MI...605 KM SSE OF KAILUA-KONA HAWAII

ABOUT 535 MI...860 KM SSE OF HONOLULU HAWAII

MAXIMUM SUSTAINED WINDS...155 MPH...250 KM/H

PRESENT MOVEMENT...WNW OR 285 DEGREES AT 9 MPH...15 KM/H

MINIMUM CENTRAL PRESSURE...929 MB...27.44 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Hurricane Warning has been issued for Hawaii County.

A Hurricane Watch has been issued for Oahu.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Hurricane Warning is in effect for...

- * Hawaii County

A Hurricane Watch is in effect for...

- * Maui County...including the islands of Maui, Lanai, Molokai and Kahoolawe

- * Oahu

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area. A warning is typically issued 36 hours before the anticipated first occurrence of tropical-storm- force winds, conditions that make outside preparations difficult or dangerous. Preparations to protect life and property should be rushed to completion.

A Hurricane Watch means that hurricane conditions are possible within the watch area. A watch is typically issued 48 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside preparations difficult or dangerous.

Interests elsewhere in the main Hawaiian Islands, and across the Northwestern Hawaiian Islands, should continue to closely monitor the progress of Hurricane Lane. Additional Tropical Storm or Hurricane Watches or Warnings may be issued tonight or Wednesday.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

DISCUSSION AND OUTLOOK

At 500 PM HST (0300 UTC), the center of Hurricane Lane was located near latitude 14.5 North, longitude 154.0 West. Lane is moving toward the west-northwest near 9 mph (15 km/h) and this motion is expected to continue tonight. A turn toward the northwest is expected on Wednesday, followed by a turn to the north-northwest on Thursday. On the forecast track, the center of Lane will move very close to or over the main Hawaiian Islands from Thursday through Saturday.

Maximum sustained winds are near 155 mph (250 km/h) with higher gusts. Lane is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Slow weakening is forecast during the next 48 hours, but Lane is forecast to remain a dangerous hurricane as it draws closer to the Hawaiian Islands.

Hurricane-force winds extend outward up to 40 miles (65 km) from the center and tropical-storm-force winds extend outward up to 140 miles (220 km).

The estimated minimum central pressure is 929 mb (27.44 inches).

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected within the Hurricane Warning area beginning late Wednesday night into early Thursday morning, with hurricane conditions expected somewhere within the warning area on Thursday. Tropical storm conditions are possible within the Hurricane Watch area beginning Thursday into Thursday night, with hurricane conditions possible late Thursday night into Friday.

RAINFALL: Excessive rainfall associated with Lane is expected to affect portions of the Hawaiian Islands from late Wednesday into the weekend, leading to flash flooding and landslides. Lane is expected to produce total rain accumulations of 10 to 15 inches with isolated amounts greater than 20 inches over the Hawaiian Islands.

SURF: Large swells generated by Lane will impact the Hawaiian Islands, beginning tonight on the Big Island, spreading across the remainder of the island chain on Wednesday. These swells will produce large and potentially damaging surf along exposed west, south and east facing shorelines.

NEXT ADVISORY

Next intermediate advisory at 800 PM HST.

Next complete advisory at 1100 PM HST.

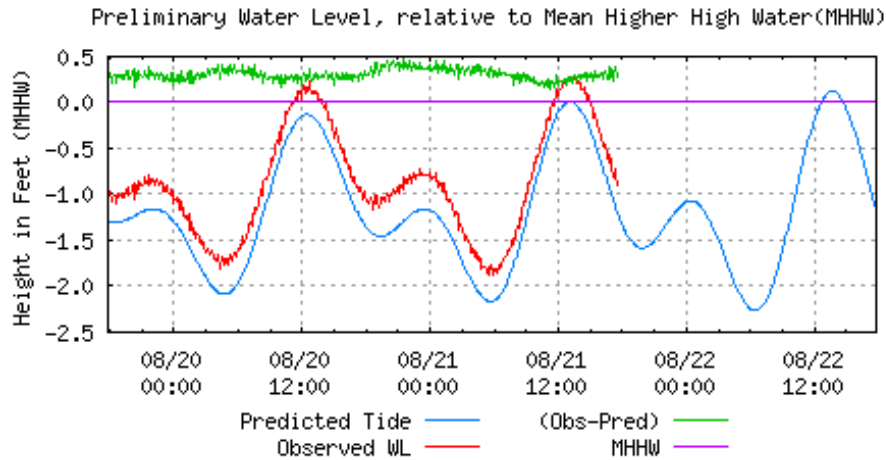
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Forecaster Jacobson

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



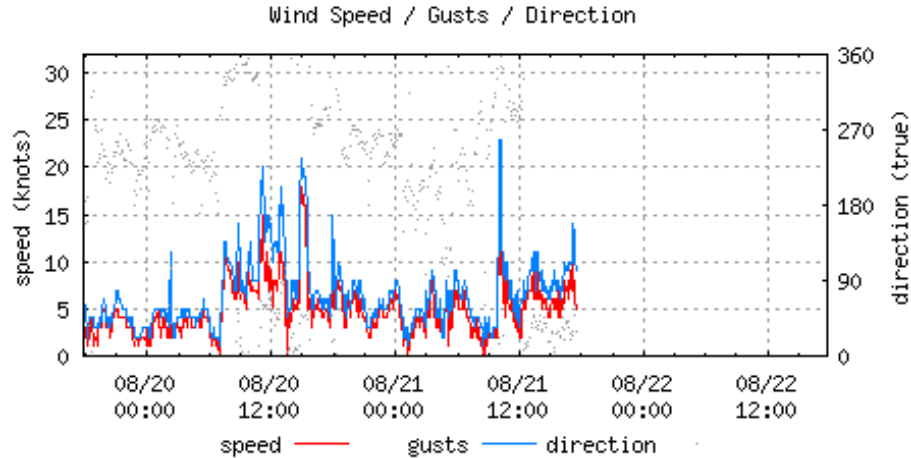
Last Observed Sample: 08/21/2018 17:30 (HST). Data relative to MHHW

Observed: -0.91 ft. Predicted: -1.19 ft. Residual: 0.28 ft.

Historical Maximum Water Level: Jul 24 2017, 1.54 ft.

Next High Tide: 08/22/2018 00:24 (HST), -1.08 ft.

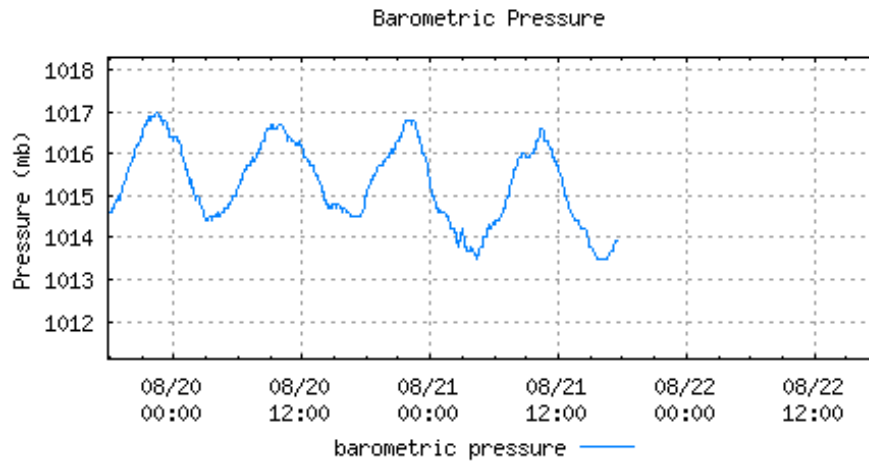
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Wind Speed: 5 knots Gusts: 9 knots Direction: 30° T

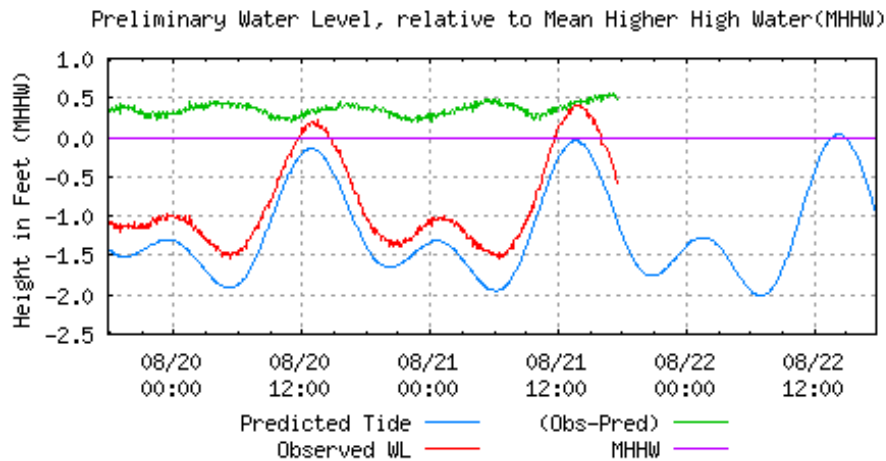
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Barometric Pressure: 1013.9 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



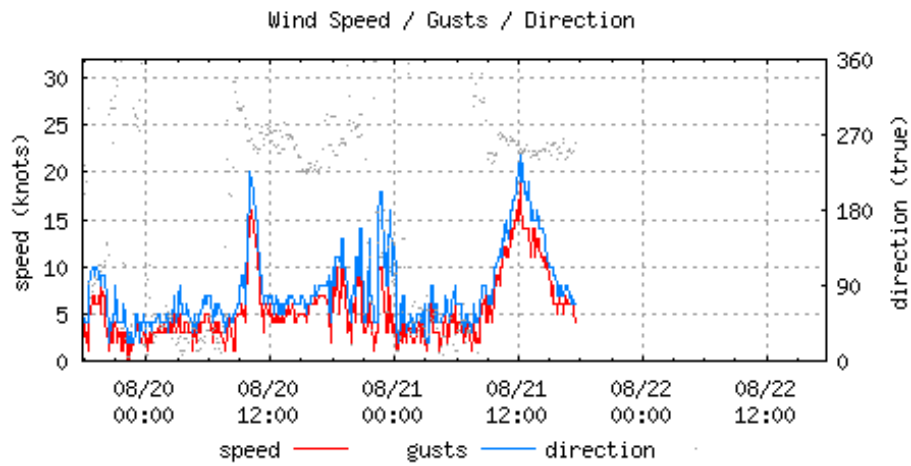
Last Observed Sample: 08/21/2018 17:30 (HST). Data relative to MHHW

Observed: -0.57 ft. Predicted: -1.06 ft. Residual: 0.49 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 08/22/2018 01:33 (HST), -1.27 ft.

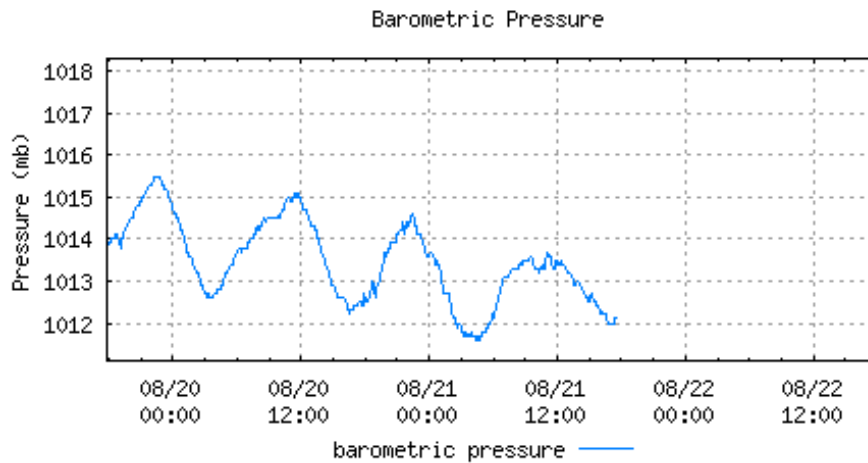
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Wind Speed: 4 knots Gusts: 6 knots Direction: 261° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

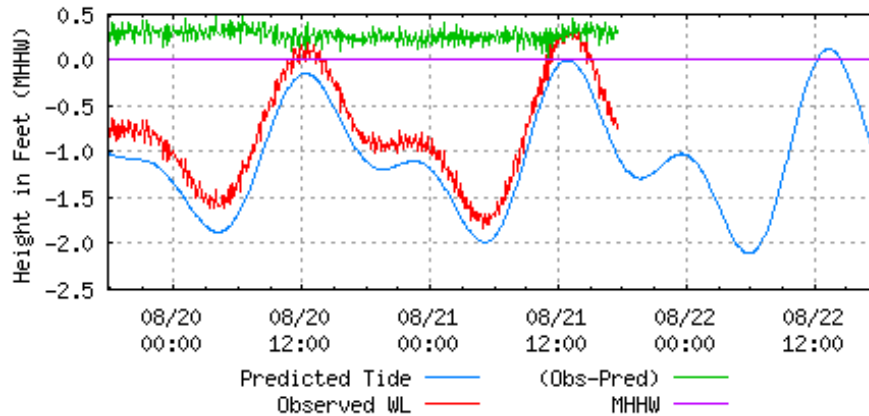


Last Observed Sample: 08/21/2018 17:30 (HST)

Barometric Pressure: 1012.1 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/21/2018 17:30 (HST). Data relative to MHHW

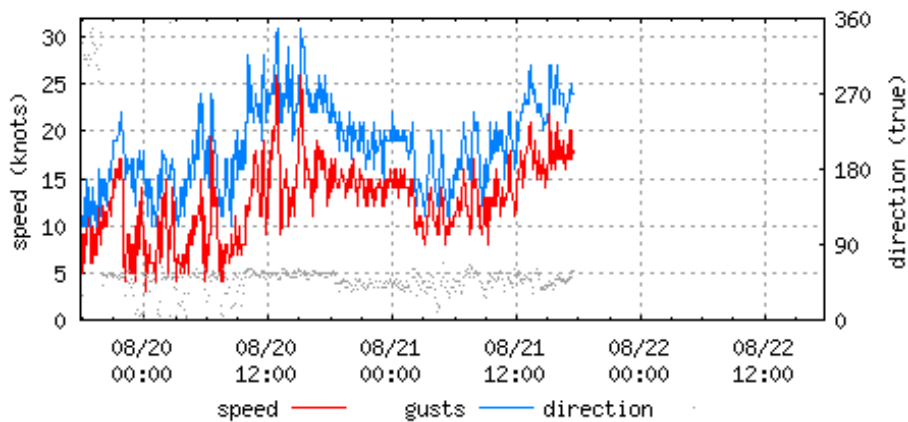
Observed: -0.74 ft. Predicted: -1.03 ft. Residual: 0.29 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 08/21/2018 23:35 (HST), -1.03 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

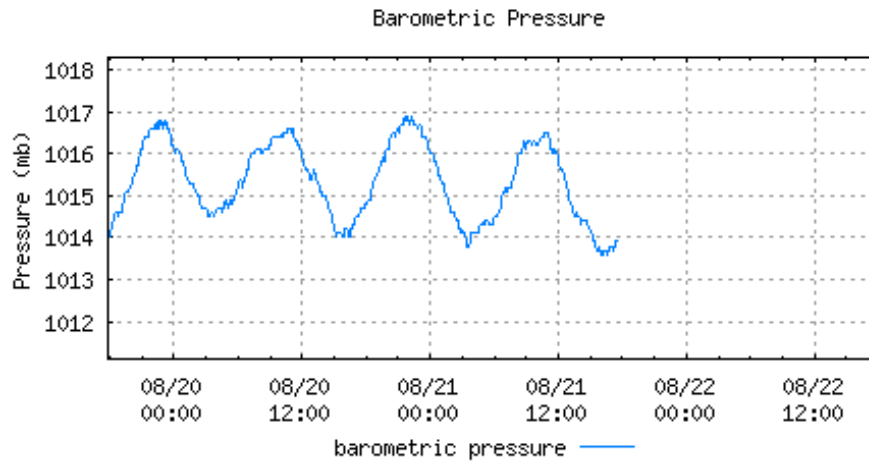
Wind Speed / Gusts / Direction



Last Observed Sample: 08/21/2018 17:30 (HST)

Wind Speed: 18 knots Gusts: 24 knots Direction: 58° T

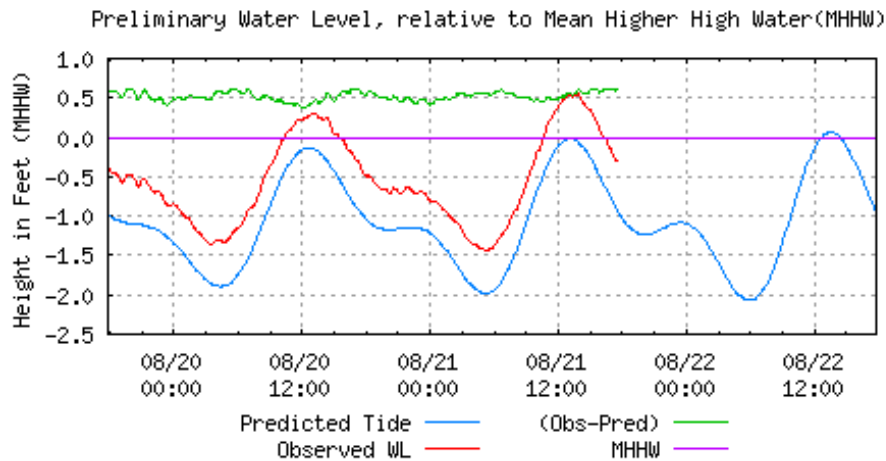
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Barometric Pressure: 1013.9 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



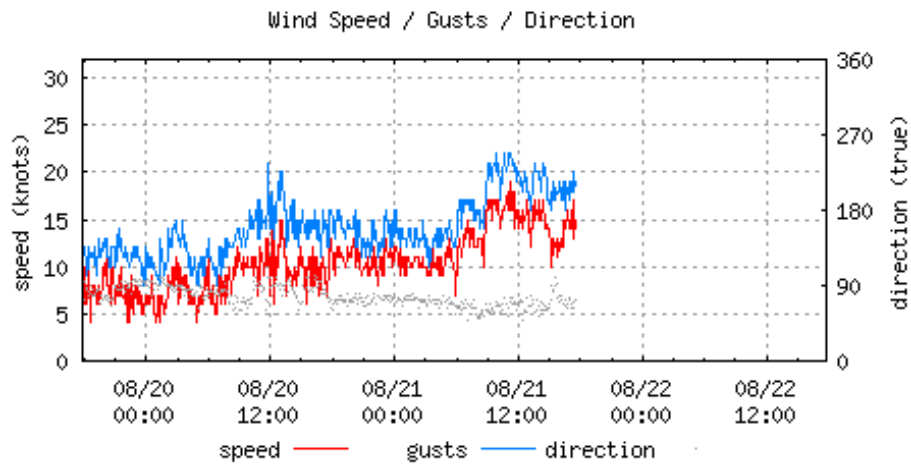
Last Observed Sample: 08/21/2018 17:30 (HST). Data relative to MHHW

Observed: -0.31 ft. Predicted: -0.92 ft. Residual: 0.61 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 08/21/2018 23:28 (HST), -1.08 ft.

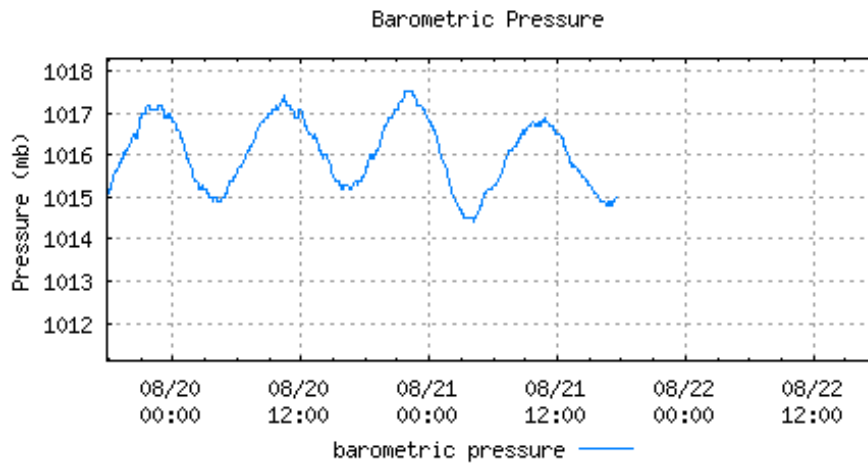
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Wind Speed: 15 knots Gusts: 19 knots Direction: 72° T

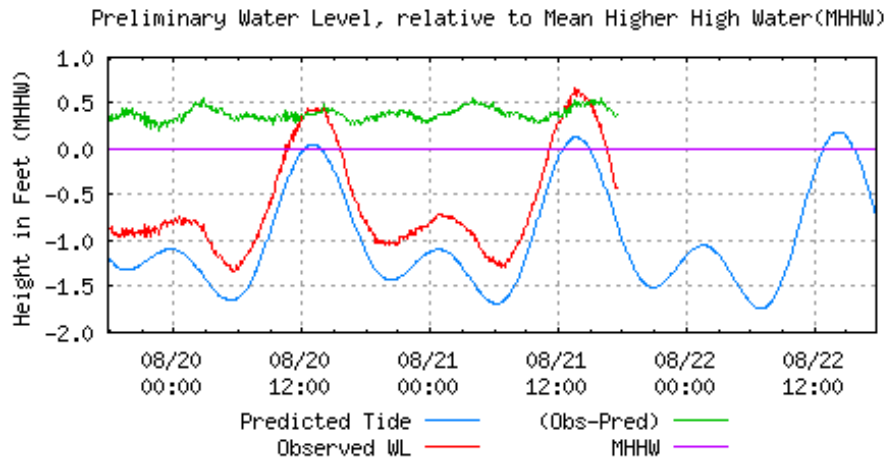
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Barometric Pressure: 1015.0 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



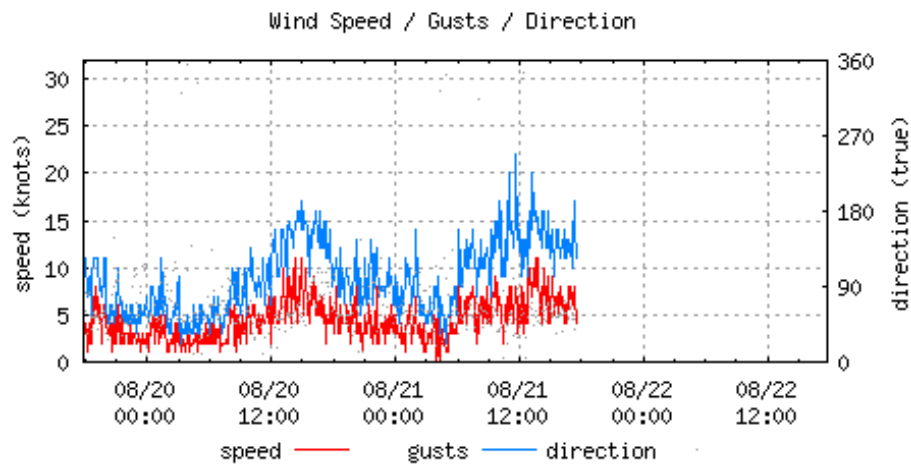
Last Observed Sample: 08/21/2018 17:30 (HST). Data relative to MHHW

Observed: -0.43 ft. Predicted: -0.81 ft. Residual: 0.38 ft.

Historical Maximum Water Level: Sep 11 1992, 1.47 ft.

Next High Tide: 08/22/2018 01:35 (HST), -1.05 ft.

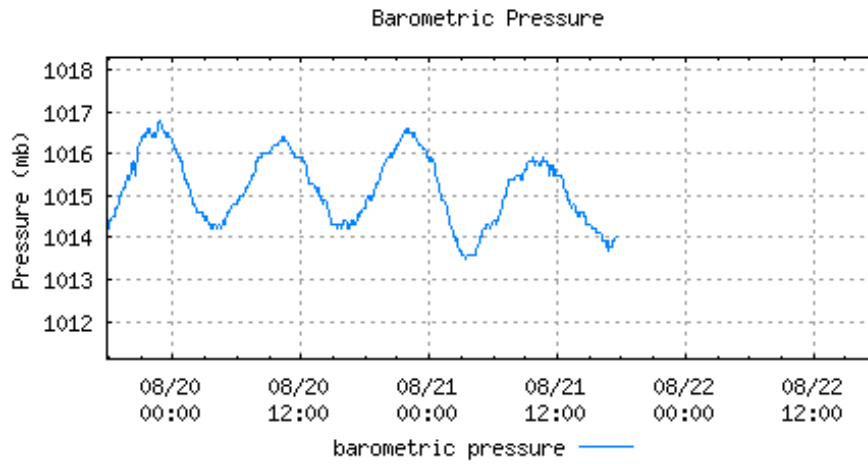
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Wind Speed: 4 knots Gusts: 11 knots Direction: 64° T

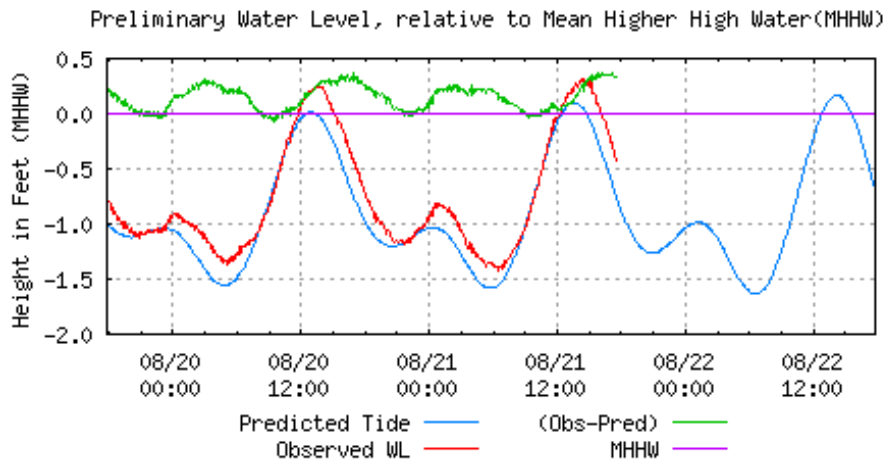
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Barometric Pressure: 1014.0 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



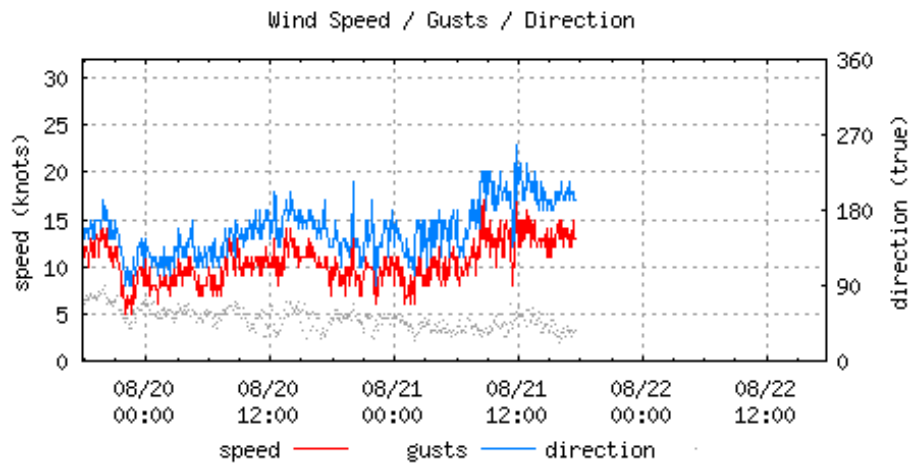
Last Observed Sample: 08/21/2018 17:30 (HST). Data relative to MHHW

Observed: -0.42 ft. Predicted: -0.75 ft. Residual: 0.33 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/22/2018 01:12 (HST), -0.98 ft.

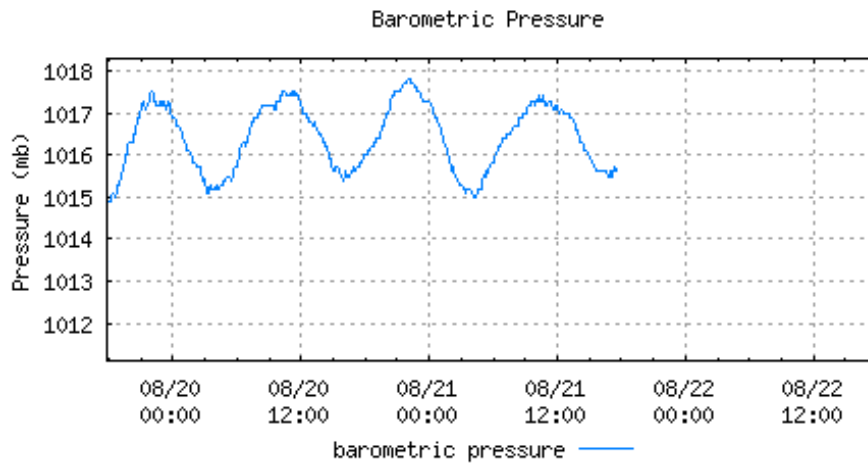
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Wind Speed: 13 knots Gusts: 17 knots Direction: 36° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/21/2018 17:30 (HST)

Barometric Pressure: 1015.6 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/21/2018 17:30 (HST)	-0.91 ft	-1.19 ft	0.28 ft	0.28 ft
1617433	Kawaihae, HI	08/21/2018 17:30 (HST)	-0.57 ft	-1.06 ft	0.49 ft	0.41 ft
1615680	Kahului, Kahului Harbor, HI	08/21/2018 17:30 (HST)	-0.74 ft	-1.03 ft	0.29 ft	0.44 ft
1612480	Mokuoloe, HI	08/21/2018 17:30 (HST)	-0.31 ft	-0.92 ft	0.61 ft	0.55 ft
1612340	Honolulu, HI	08/21/2018 17:30 (HST)	-0.43 ft	-0.81 ft	0.38 ft	0.66 ft
1611400	Nawiliwili, HI	08/21/2018 17:30 (HST)	-0.42 ft	-0.75 ft	0.33 ft	0.32 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce